

European Network Code Overview: Update for Code Panels

Update on Codes currently being drafted or revised by ENTSO-E

ENTSO-E Website:

<https://www.entsoe.eu/resources/network-codes/>

12 November 2012

Framework Guidelines	Network Code	What it's about	Status update	Milestones to completion
Grid Connections	Requirements for Generators	Harmonising and updating technical connection requirements for all types of generators to facilitate security of supply, as well as non-discrimination, effective competition and the efficient functioning of the internal electricity market.	Final Code submitted to ACER: 13 July 2012. GB stakeholder workshop held: 2 & 3 August 2012. ACER workshop held: 3 September 2012. ACER review on Code published: 13 October 2012.	Code to be 'improved' by ENTSO-E following ACER opinion, before ACER can recommend the Code to the European Commission (EC) for adoption. Moderate delay in programme now anticipated with the revision expected to be completed April 2013. Comitology is then expected to follow.
	Demand Connection Code	Focuses on the connection of industrial loads and DSOs and sets out requirements which will apply to the demand side of the power system, contributing to system security and efficient load management. 5 new capabilities are proposed: Demand Side Response for Reserve Services, Demand Side Response for System Frequency Control, Reactive Power Exchange Capabilities, Voltage Withstand Capabilities, Frequency Withstand Capabilities.	Stage 1 stakeholder consultation calling for stakeholder input closed 9 May 2012: responses from 21 organisations. Stage 2 consultation on draft Code ran from 27 June until 12 September 2012. Further GB stakeholder workshop (held under JESG): 21 & 22 Aug 2012.	ENTSO-E is revising the Code following the public consultation in which 1497 comments were received. Final submission of Code due: 31 December 2012. ACER review of final Code: January - March 2013. Comitology expected: Q2 2013.
	HVDC	Rules for the use of HVDC technology as part of a transmission system and for radially connected offshore HVDC Power Park Module configurations.	Included within the Framework Guidelines for Electricity Grid Connections. Code identified in EC work programme for development in 2013.	Awaiting drafting mandate from EC. Formal start expected: January 2013.
Capacity Allocation and Congestion Management	Forward Capacity Allocation	Aims to couple existing European electricity markets to create a pan-European internal market. Harmonises market rules for calculating and allocating capacity in the Forwards Markets.	The KPIP (Key Policy Issues Paper) was approved by ENTSO-E Assembly on 26 June 2012. Drafting commenced: 1 October 2012	Formal consultation expected: April - May 2013. ACER review of final Code: October - December 2013. Comitology expected: Q1 2014.
Electricity Balancing	Electricity Balancing	Rules for cross-border exchange of reserves and balancing energy under the Target Operating Model, which is consistent with operational standards.	ACER Framework Guidelines published: 18 September 2012.	EC invitation to ENTSO-E to draft expected: Q4 2012. Formal consultation expected: April - May 2013. ACER review of final Code: Q4 2013. Comitology expected: Q1 2014.
System Operation	Operational Security	Establishes common security principles, including harmonising of quality of system operation and coordination of operational activities. Applicable to TSO, DSOs, generators and consumption.	ENTSO-E workshop: 20 Apr 2012, 2 July 2012, 19 September 2012. ENTSO-E consultation: 3 September - 3 November 2012. GB stakeholder workshops (under JESG): 3 & 4 October 2012.	ENTSO-E is revising the Code following the public consultation in which 1220 comments were received. ENTSO-E workshop: 20 December 2012. Code due to be submitted to ACER: End February 2013. ACER review of final Code: March - May 2013. Comitology expected: Q2 2013.
	Operational Planning & Scheduling	Covers activities and tasks conducted prior to real-time operation and includes outage scheduling, day ahead congestion forecast and N-1 contingency analysis (which could be complemented with other security analyses like e.g. voltage stability analysis), but also the commercial and TSO scheduling processes.	Latest draft Code published: 7 November 2012. ENTSO-E workshops: 23 May, 25 July 2012.	Formal consultation started: 7 November 2012, due to complete 7 January 2013. ENTSO-E workshops: 21 November 2012, late January 2013. GB stakeholder workshops (under JESG): 17 & 18 December 2012. ACER review of final Code: April - June 2013. Comitology expected: Q3 2013.
	Load Frequency Control & Reserves	Considers the real-time balance between generation and demand to control system frequency; to achieve and maintain satisfactory frequency quality in terms of the frequency deviations from the nominal value and how often these deviations occur within a defined time period (standard deviation of frequency).	Drafting commenced: 1 July 2012. First draft Code published: 4 July 2012. Initial ENTSO-E workshop: 12 July 2012. First legal draft of Code released 17 September 2012, in advance of ENTSO-E workshop on 25 September 2012	ENTSO-E Workshops: 13 February, 25 April 2013. Formal consultation expected: February - March 2013. GB stakeholder workshops (under JESG): 7 & 8 March 2013. ACER review of final Code: July - September 2013. Comitology expected: Q4 2013.